

What is claimed is:

1. An assembly, comprising:
a patio umbrella having a plurality of ribs, and a pole;
a lighting system having:
5 a battery housing;
a wire branch that is releasably attached to one of the ribs;
a plurality of LED devices spaced apart along the wire branch; and
a wire that couples the battery housing to the wire branch.
- 10 2. The assembly of claim 1, further including a mounting bracket that is releasably mounted to the pole, with the battery housing being removably mounted to the mounting bracket.
- 15 3. The assembly of claim 2, wherein the battery housing has a pocket within which the mounting bracket is received.
4. The assembly of claim 1, wherein the LED device includes a PCB, a chip driver connected to the PCB, and an LED attached to the PCB.
- 20 5. The assembly of claim 1, wherein the wire branch comprises a plurality of wire branches, with each wire branch having a plurality of LED devices spaced apart therealong.
- 25 6. The assembly of claim 5, further including an interconnecting wire that interconnects adjacent wire branches.
7. The assembly of claim 6, further including means for securing the interconnecting wire to the pole of the umbrella.

8. A lighting system that is used with a patio umbrella having a plurality of ribs, and a pole, the lighting system comprising:

a battery housing;

a wire branch;

5 a plurality of LED devices spaced apart along the wire branch; and

a wire that couples the battery housing to the wire branch.

9. The system of claim 8, further including a mounting bracket that is releasably mounted to a pole of a patio umbrella, with the battery housing being
10 removably mounted to the mounting bracket.

10. The system of claim 9, wherein the battery housing has a pocket within which the mounting bracket is received.

15 11. The system of claim 8, wherein the LED device includes a PCB, a chip driver connected to the PCB, and an LED attached to the PCB.

20 12. The system of claim 8, wherein the wire branch comprises a plurality of wire branches, with each wire branch having a plurality of LED devices spaced apart therealong.

13. The system of claim 12, further including an interconnecting wire that interconnects adjacent wire branches.

25 14. The system of claim 13, further including means for securing the interconnecting wire to the pole.

15. A lighting system that is used with a gazebo, the lighting system comprising:

30 a power source;

a wire branch;

a plurality of LED devices spaced apart along the wire branch; and

a wire that couples the power source to the wire branch.

16. The system of claim 15, wherein each LED device includes a PCB, a chip driver connected to the PCB, and an LED attached to the PCB.

5 17. The system of claim 15, wherein the wire branch comprises a plurality of wire branches, with each wire branch having a plurality of LED devices spaced apart therealong.

10 18. The system of claim 17, further including an interconnecting wire that interconnects adjacent wire branches.

19. The system of claim 17, further including a collector that couples the plurality of wire branches.